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CONTRACT

MONTHLY REPORT

1 September through 30 September 1968

30 September 1968

Declass Review by NGA.

SECRET

GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADIN
AND DECLASSIFICATION

Approved For Release 2005/02/17 : CIA-RDP78B04770A001300010071-0

25X1

Contract
Monthly Report

25X1

PAR 247 30 Sept 1968

SUBJECT: Base Spare Parts Kit

TASK/PROBLEM

1. Provide one base spare parts kit for two Precision Enlargers, PAR 243A.

25X1

DISCUSSION

- 2. All parts are on hand except for the red filters which are due to be completed by mid-October.
- 3. The material for the fluid injection pump has been changed from teflon to stainless steel. The pumps for this kit will be retrofitted to include this change.

PLANNED ACTIVITY

- 4. Complete filters and retrofit of fluid pumps.
- 5. Deliver kit to customer.

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Contract Monthly Report

PAR 248 30 Sept 1968

SUBJECT: BPE High-Magnification Lens Set

TASK/PROBLEM

1. Provide one high-magnification lens set (PAR 245) to increase the magnification range of a Precision Enlarger (PAR 243A) at the customer's facility.

DISCUSSION

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2. All parts had been received prior to 1 September, and photographic testing and calibration of the lenses, which had been delayed, was started late in September.

PLANNED ACTIVITY

- 3. Complete lens photographic testing and calibration.
- 4. Ship lens set to the customer by 1 November 1968.

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GROUP 1
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Contract	
Monthly R	enort

25X1

PAR 249 30 Sept 1968

25X1

SUBJECT:		Precisi	on Er	nlarger	Prototype	(BPE)	Operational
'	Improve	ements a	nd Ma	aintenar	nce		

TASK/PROBLEM

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1. Provide photographic enlarger maintenance at the customer's facility for one Precision Enlarger (BPE) and three 10-20-40X Enlargers.

DISCUSSION

- 2. Contractor personnel visited the customer's facility during the week of 9 September 1968. The purpose of the visit was to perform both the one-month and six-month preventive maintenance checks on the Precision Enlarger. (See check list indicating the work performed.)
- 3. During the maintenance check, it was determined that some of the lens barrels were loose within the focus barrels. These were tightened and refocused; a complete photographic check was made to ensure that the instrument was in proper operating condition.

PLANNED ACTIVITY

- 4. Perform monthly preventive maintenance on the BPE and install carriage limit switches and vertical speed drive stop on this equipment.
- 5. Inspect the 10-20-40X enlargers and perform the monthly preventive maintenance check.

25X1

PREVENTIVE MAINTENANCE SCHEDULE CHECK LIST

25X1

PRECISION	ENLARGER
i idectoron	BINDANOLIN

Assigned to:	B - 213	_Date	9/9/68	Machine Serial No	

25X1

1./	Item	Description	
V	116111	Describition	

Daily Interval

 1	
1	Check the four indicator lamps on the sub-control panel.
2.1	Check closed-negative-gate interlock.
2.2	Check interlock that causes vertical transport slow speed.
2.3	Check interlock that disables negative transport after fluid injection.
2.4	Check operation of microswitch that functions when manual-film-movement knob is pushed in.
3.1	Check the indicator lamps for the two attenuator banks of the easel photometer.
3.2	Check the meter scale illuminator lamp of the easel photometer.
3.3	Check the antifatigue lamp in photomultiplier tube housing.
4	Clean the glass plates of the negative gate.

One-Week Interval

	1	Vacuum-clean the enlarger.
/	2	Check, and if necessary, clean the objective lenses and all glass filters.
✓	3	Vacuum-clean the front surface of the easel.
✓	4	Check the fiber optics for broken fibers.

Description Item

One-Month Interval

✓	1	Wax the steel rails of the lens ramp and of the easel.
V	2	Install new air filter in lamphouse.
V	3	Clean the nylon brushes of the fluid removal system.
V	4	Check all tubing and hoses for cracks and air leakage.
/	5	Check and, if necessary, clean the lenses of the condenser lens assemblies.

Six-Month Interval

Y	1.1	Make a photographic check on all eight matching sets of objective and condenser lens assemblies.
V	1.2	Be sure that film is tracking properly in both directions on the negative transport system.
V	2	Check the timing belts of the film transport system, of the vertical drive system, and of the easel drive assembly for wear.

REMARKS: Repainted easel with flat white enamel; cleaned out holes.

NOTE: All lens barrels loose, out of calibration. Focus series run.

- 1. "B", "C", "G" checked O.K.
- 2. "A", "D", "E", "F", "H" recalibrated and rezeroed.

_ Date <u>9/10/68</u> Checked by: